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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/033,133	10/22/2001	Gustavo Portilla	20114	1794

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EXAMINER

JACKSON, JAKIEDA R

ART UNIT	PAPER NUMBER
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2655

DATE MAILED: 12/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/033,133	Applicant(s) PORTILLA, GUSTAVO	
	Examiner Jakieda R. Jackson	Art Unit 2655	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. **Claim 3** is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The term "the other fourth fields" in **claim 3**, lines 5 and 8-9, is a relative term which renders the claim indefinite. The term "the other fourth fields" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. "the other fourth fields" will be interpreted as fields on other languages.

Specification

3. Claims 6, 9 and 12 are objected to because of the following informalities:
 - Claim 6, page 20, line 12, after the word code, ".", should be --;--.
 - Claims 9 and 12, line 10, after the word code, ".", should be --;--.

Appropriate correction is required.

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Drawings

4. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 100, 100', 100" and 100''' in figure 1 and 200, 200', 200" and 200''' in figure 2. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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6. **Claims 1-2, 4-5, 7-8 and 10-11** are rejected under 35 U.S.C. 102(b) as being anticipated by Fushimoto (USPN 5,541,837).

Regarding **claims 1 and 7**, Fushimoto discloses a computerized system and method for coding words and symbols, comprising:

computer means having associated storage means (RAM: column 5, lines 6-9);

a first indexed database having a first field (figure 4, element 202) containing codes for a plurality of unique meaning elements and a second field (figure 4, element 201) of words or symbols that correspond in meaning to each of said unique meaning element, further including means for classifying said meaning elements in one of a predetermined number of classes, said first indexed database residing in said storage means (column 5, lines 40-47);

input means for entering words (alphabet) and symbols (character) in said computer means (column 4, lines 30-34);

coding software means for selecting one of said meaning elements for each of the words or symbols entered through said input means (extracts the meaning code) including means for determining whether the word or symbol entered validates a unique meaning element and if said word or symbol does have only one meaning element, producing a resulting code, and further including means for displaying a selection of meaning elements if said word or symbol entered validates more than one meaning element, and further including means for detecting one meaning element by a user from said displayed

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selection of validated meaning elements for producing a resulting meaning code (discriminates; column 6, lines 3-18); and

output means for storing said resulting meaning code (displayed on display screen; column 6, lines 14-18).

Regarding **claims 2 and 8**, Fushimoto discloses a computerized system and method wherein said first indexed database includes a plurality of second fields, each second field is associated with one language (German) having at least one word (words) or symbol that corresponds in meaning to each of said meaning elements (column 5, lines 40-47).

Regarding **claims 4 and 10**, Fushimoto discloses a computerized system and method further including:

decoding software means for selecting one of said resulting meaning codes and cross-referencing each of said resulting meaning codes to a unique word or symbol (column 5, lines 40-47); and

output means for storing said words or symbols (words are stored; column 5, lines 40-47).

Regarding **claims 5 and 11**, Fushimoto discloses a computerized system and method wherein said first indexed database includes a plurality of second fields, each second fields is associated with one language having at least one word or symbol that corresponds in meaning to each of said meaning elements (figure 4 with words allocated to meaning; column 5, lines 40-47).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. **Claims 3, 6, 9 and 12** are rejected under 35 U.S.C. 103(a) as being unpatentable over Fushimoto in view of Budzinski (USPN 5,715,468).

Regarding **claims 3 and 9**, Fushimoto discloses a computerized system and method in which the meaning information is common in different languages (column 5, lines 40-47), but lacks further including a second database, means for identifying sequences of classes and an output means.

Budzinski discloses a system for storing and retrieving experience and knowledge with natural language further including:

a second indexed database having a third field containing codes (number used to represent the text words; figure 3A) for a plurality of grammatical structural units and a plurality of fourth fields, each fourth field including a predetermined number of grammatical structural units in a language (articles with noun; column 54, lines 8-49), each of said grammatical structural units in each of said fourth field being correlated with only one of second grammatical structural units in the other fourth fields (column 29, lines 8-22), said grammatical structural units being classified in accordance with the sequences of the classes of said

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meaning elements present in each of said grammatical structural units (column 28, line 55 – column 29, line 22 with column 32, lines 4-23 and column 54, line 8 – column 57, line 18);

means for identifying sequences of the classes of said resulting meaning codes and correlating said sequences of classes implicit in said meaning codes with one of said grammatical structural units and producing a resulting grammatical structural code (column 54, line 8 – column 57, line 18); and

output means for storing said resulting grammatical structural code (column 26, lines 45-53), for selecting the function and the associated relation of all natural language function words for natural language.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Fushimoto's system and method to further include a second database, means for identifying sequences of classes and an output means, as taught by Budzinski, to provide a memory system for storing and retrieving experience and knowledge with the word sense number of the state representation of natural language, which allows for an understanding of natural language input which is consistent with the context (column 21, lines 48-66).

Regarding **claims 6 and 12**, Fushimoto discloses a computerized system and method, but lacks a second indexed database, means for identifying sequences of classes, output means, means for identifying said resulting grammatical structural code and means for assembling said unique words or symbols.

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Budzinski discloses a system for storing and retrieving experience and knowledge with natural language further including:

a second indexed database having a plurality of third fields, each field including a predetermined number of grammatical structural units in a language (articles with noun; column 54, lines 8-49), each of said grammatical structural units in a third field being correlated with only one of said grammatical structural units in the other third fields, said grammatical structural being classified in accordance with the sequences of the classes of said meaning elements present in each of said grammatical structural units (column 54, line 8 – column 57, line 18);

means for identifying sequences of the classes of said resulting meaning codes and correlating sequences of classes implicit in said meaning codes with one of said grammatical structural units and producing a resulting grammatical structural code (figure 3 with column 28, line 55 – column 29, line 22 with column 32, lines 4-23); and

output means for storing said resulting grammatical structural code (column 26, line 45-53);

means for identifying said resulting grammatical structural unit codes with a unique sequence of classes of resulting meaning elements (figure 3);

means for assembling said unique words or symbols in one of said unique sequences of classes of resulting meaning elements (figure 3); and

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output means for storing said sequences of unique words or symbols (column 26, lines 45-53), for selecting the function and the associated relation of all natural language function words for natural language.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Fushimoto's system and method to further include a second indexed database, means for identifying sequences of classes, output means, means for identifying said resulting grammatical structural code and means for assembling said unique words or symbols, as taught by Budzinski, to provide a memory system for storing and retrieving experience and knowledge with the word sense number of the state representation of natural language, which allows for an understanding of natural language input which is consistent with the context (column 21, lines 48-66).

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jakieda R. Jackson whose telephone number is 571.272.7619. The examiner can normally be reached on Monday through Friday from 7:30 a.m. to 5:00p.m.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571.272.7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JRJ

December 15, 2005


SUSAN MCFADDEN
PRIMARY EXAMINER